

C O N C O R D I A   U N I V E R S I T Y

FACULTY OF ENGINEERING

Minutes of the Ninety-Fourth Meeting

of the

Engineering Faculty Council

held on

Friday, 15 November 1974

Present: Dean J. Clair Callaghan (Chairman); Professors Bhattacharyya, Douglass, du Plessis, Krantzberg, Gracovetsky, Hamblin, Kubina, Lin, Lindsay, Marsh, McDougall, McQueen, Swamy, Vidyasagar, Xistris, Zielinski, Osman; D. Roth and J. Martynko (Student representatives); T. Murphy (Registrar's representative); Ms C. Campbell (Library representative); Professor J.C. Giguere (Secretary).

Visitors: Professors Ramamurthy and Russell

Absent with apology: Professors Fazio, Heaps, Krakow, Pekau

Motion  
74-94-1

1. Council unanimously adopted a motion to approve the published agenda.

Motion  
74-94-2

2. Council unanimously adopted a motion to approve the minutes of the 92nd meeting as published.

Motion  
74-94-3

3. Council unanimously adopted a motion to approve the minutes of the 93rd meeting as published.

4. Visit of Mr. Yvon Dupuis

Chairman informed Council that he had sent a letter to Mr. Dupuis thanking him for his visit.

5. Bill 250 - Code of Professions

Professor Xistris noted that perhaps legal advice would be required to interpret some of the articles contained in this bill. Professor Giguere will consult with Professor Xistris on this matter.

6. OEQ Requirements for Engineering Law

Professor McQueen noted that the subject matter per-

taining to this topic has now been approved by the Council of OEQ. It was noted that Council has previously asked EUSC to advise it about further action re this subject. It was agreed that the Order of Engineers should be informed of the action the Council takes.

7. Response to CLESEC proposals - University Entrance Requirements

Chairman informed Council that Motion 74-92-9 had not yet been considered by Senate.

8. Ecole Polytechnique - "Nouveau Départ"

The Chairman drew Council's attention to a new programme launched by Ecole Polytechnique, organized by its Extension Department, and directed towards engineers with seven or more years of experience who now hold middle-management positions. The programme is not aimed at the formation of specialists, but rather at providing, through a multi-disciplinary approach, a good understanding of basic principles and new techniques. The programme is divided into seven self-contained modules. Each module treats a specific subject, and consists of five sub-topics. The student may register for as many modules as he wishes. Completion of a module involves five attendances from 5 to 9 p.m. over a period of five weeks. The programme is offered in both French and English.

9. Location of the Boggemobile

Chairman informed Council that the motion prepared by Professor Marsh (Doc. 74-93.7) had been received by Senate and accorded the serious attention it merited.

10. Chairmanship of the Simulation Committee

Chairman informed Council that Professor Gracovetsky had resigned as Chairman of this committee, although he will retain his seat as representative of the Electrical Engineering Department. Professor Fancott has accepted the position of Chairman of this committee.

11. Library Representative

The University Librarian, Dr. Kanasy, has nominated Ms Cathy Campbell to act as Library representative on Engineering Faculty Council, replacing Ms Nancy Brodie.

12. Grant to Professor McQueen

Chairman informed Council that A.S. Metals had awarded the sum of \$5,000 to Professor McQueen to complete a

film on "Dislocations".

13. List of Speakers for CEGEPs

Chairman informed Council that six members of the Faculty had volunteered to speak at CEGEPs on various topics. He suggested that two or three more individuals should consider participating in this worthwhile publicity measure.

14. Accreditation by CCPE

Chairman informed Council that CCPE had accredited all three programmes in Engineering for a further five years, namely, the maximum allowed. This accreditation is valid providing students are registered for the programmes on a full-time basis. Students registered in a programme through IPS must adhere rigorously to IPS regulations.

15. NRC Negotiated Development Grant to Fluid Controls and Systems Group

Professor du Plessis informed Council that the Fluid Controls and Systems group had been awarded a total of \$462,500 for the period 1974-78.

16. Federal Government and NRC Policies with Respect to Research at Canadian Universities

Professor Giguere reported that at a recent meeting of the Canadian Association of Graduate Schools (CAGS), officials of NRC tabled a report (Doc. 74-94.2) showing that support of the Government of Canada of research at Canadian universities, through NRC, had remained static since 1969. It was felt by members of CAGS that this freeze reflected a decision on the part of the Treasury Board to implement recommendations by Senator Lamontagne to shift the emphasis of government support away from basic research into mission-oriented research.

17. Professor Giguere noted that in view of the above, the increase in NRC operating grants to Concordia Engineering over the period 1969-74 is most gratifying, in that it reflects the growth of the Faculty in terms of the quantity and quality of research being carried out.

18. Professor Giguere also reported that NRC hopes to increase yet further the maximum stipends payable to graduate students from NRC grants, as well as the values of NRC scholarships. It does not intend to relax its rule restricting awards and stipends to landed immigrants and Canadian citizens since it feels that such awards and stipends should be used primarily to encourage young Canadians to pursue graduate studies.

19. In the ensuing discussion, it was noted that:

- It has been difficult to interest undergraduates in post-graduate studies, partially because of the low monetary value of awards and stipends which they could receive as post-graduate students
- The Faculty has now made available teaching assistantships which, when added to emoluments available through NRC, should make Concordia competitive in attracting graduates of Canadian universities
- It is difficult to interest bright undergraduates in applying for doctoral studies, although some of them could be interested in a full-time master's programme.

20. Physical Resources Evaluation Team (PRET)

Professor du Plessis reported that the work of this committee was now directed towards obtaining realistic estimates of space requirements for the University over the next eight years. No decision has been taken with respect to the library.

21. Undergraduate Enrolment

Professor Hamblin presented University statistics on enrolments in Engineering and Computer Science. It was agreed that the Faculty's recruitment and admission efforts should be directed towards registering in Fall 1975 150 full-time students in Year 1 of the B.Eng. programmes. It was also agreed to limit in future the number of foreign students admitted to the Faculty.

22. Membership

Chairman informed Council that Professors Osman and Zielinski had been elected as "B" Councillors from Mechanical and Civil Engineering. They will serve until 31 May 1975.

23. The Secretary informed Council that Mr. Szuts will now represent the Evening Students Association.

24. The Secretary informed Council that to the best of his knowledge provision had been made under the terms of the merger to increase on a temporary basis the membership of Council to include a representative from the Loyola campus.

Motion  
74-94-4

25. Council unanimously adopted a motion to add, for 1974/75 and 1975/76, to its membership a representative from the Loyola campus who should be a student in good standing in the B.Sc. programme.



26. Professor Kubina will request the B.Sc. student body at Loyola to elect a representative.

27. Certificate Programme in Quality Control

Chairman informed Council that he had asked Professors du Plessis and Osman to study this programme. Professor du Plessis recommended that for 1975/76 the programme be as listed in the 1974/75 Loyola Calendar.

Motion  
74-94-5

28. Council unanimously adopted a motion to recommend to Senate that for 1975/76 the certificate programme in quality control be as listed in the 1974/75 Loyola Calendar.

29. Course Duplications in the Controls Area

Professor Vidyasagar reported that agreement had been reached with respect to the proposed courses in Controls and Systems (See Minute 74-93-13). Part of the agreement involved the establishment of an inter-Faculty committee to deal with future course offerings in this area. Professor Lindsay reported that Senate had endorsed the agreement, but felt that it should not legislate on the establishment of the proposed committee.

Motion  
74-94-6

30. Council unanimously adopted a motion to accept in principle the establishment of an inter-Faculty committee with a general mandate to advise Council with respect to courses in Controls and Systems in so far as these affect the Faculties of Science and Engineering; to appoint Professors Cheng, Swamy and Vidyasagar as its representatives on the committee; to request Professor Vidyasagar to prepare a detailed mandate for consideration by Council.

31. Sequential Course Pairs

Professor Hamblin presented his recommendation concerning sequential course pairs. (See 1974/75 Undergraduate calendar, p. 57, section 3 of Additional Regulations for the B.Eng. degree).

Motion  
74-94-7

32. Council unanimously adopted a motion to approve for 1974/75 three pairs of courses:

Engin N-361, Fluid Mechanics I and Engin N-461 Fluid Mechanics II; Engin N-371, Physical Systems and Measurements I and Engin N-372, Physical Systems and Measurements II; Elec. Eng. N-411, Electronics I and Elec. Eng. N-412, Electronics II;

as constituting two course sequences for the purposes of section 3 of Additional Regulations for the B.Eng.

degree.

33. Modifications to Graduate Programmes

Professor Vidyasagar presented EGSC's recommendations concerning major and minor modifications to graduate programmes for 1975/76 (Docs. 74-94.1, 74-94.1.1).

Motion  
74-94-8

34. Council considered a motion to recommend to BGS the major and minor modifications as recommended by EGSC.

Motion  
74-94-9

35. Council adopted a motion to amend Motion 74-94-8 by changing the title of the proposed topic area "Power Engineering" to "Electrical Power Engineering".

(Voting: 8 in favour, 8 against; 4 recorded abstentions; Chairman for)

Motion  
74-94-10

36. Council considered a motion to amend Motion 74-94-8 by re-introducing item II.1 of Doc. 74-94.1.

37. Council debated this issue at some length, members wishing to clarify the objectives of courses in this topic area and their relationship to the objectives of the M.Eng. programme.

38. Council adopted Motion 74-94-10.

(Voting: 11 in favour, 5 against; 3 recorded abstentions)

39. Council unanimously adopted Motion 74-94-8 as amended by Motions 74-94-9 and 74-94-10.